



Computation of long-term annual renewable water resources (RWR) by country (in km<sup>3</sup>/year, average)

## Nigeria

Internal RWR		
Precipitation (mm/year)	[1]	1 150
Area of the country (1000 ha)	[2]	92 377
Precipitation (km <sup>3</sup> /year)	[3]	1 062 <small>=([1]/1000000)x([2]x10)</small>
Surface water: produced internally	[4]	214
Groundwater: produced internally	[5]	87
Overlap between surface water and groundwater	[6]	80 <small>(a)</small>
<b>Total internal renewable water resources</b>	[7]	221 <small>=([4]+[5]-[6])</small>
External RWR		
	Total	Accounted
<u>Surface water</u>		
Surface water entering the country	65.2 <small>(b)</small>	
Inflow not submitted to treaties		[8] 65.2
Inflow submitted to treaties		0
Inflow secured through treaties		[9] 0
Flow in border rivers	0	[10] 0
Accounted inflow		[11] 65.2 <small>=([8]+[9]+[10])</small>
Surface water leaving the country	2.9 <small>(c)</small>	
Outflow not submitted to treaties		2.9
Outflow submitted to treaties		0
Outflow secured through treaties		[12] 0
Total external renewable surface water		[13] 65.2 <small>=([11]-[12])</small>
<u>Groundwater</u>		
Groundwater entering the country	0	[14] 0
Groundwater leaving the country	0	0
<b>Total external renewable water resources</b>		[15] 65.2 <small>=([13]+[14])</small>
Total RWR		
Surface water		[16] 279.2 <small>=([4]+[13])</small>
Groundwater		[17] 87 <small>=([5]+[14])</small>
Overlap between surface water and groundwater		[6] 80 <small>(a)</small>
<b>Total renewable water resources</b>		[18] 286.2 <small>=([16]+[17]-[6])</small>
Dependency ratio (%)		[19] 22.78 <small>=100*([11]+[14])/([11]+[14]+[7])</small>

Metadata:

- (a) Overlap is less than 100% of groundwater recharge; most of the groundwater is drained by the rivers (equivalent to the low flow of water courses). But Nigeria has a long coast and some groundwater escapes and flows into the sea.  
(b) FROM: Niger: 32.4 (Niger); Cameroon: 29 (Benue and tributaries); Benin: 3.8 (Niger)  
(c) TO: Niger: 0.2 (Maradi)+2.7/2 (Komadougou Yobé [border- NER/NGA]); Chad: 2.7 (Komadougou Yobé)